



# IDENTITY MANAGER INTEGRATION WITH HP LAN SWITCHES

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SECTION E

# WHAT YOU WILL LEARN

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- > Configure the HP LAN Switch
- > Add IDM as the RADIUS Server
- > Set IDM as the external web portal
- > Configure IDM for the HP LAN Switch

# CONFIG FROM THE COMMAND LINE

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1. Enter Configuration Mode  
**HP-E2620-24# conf t**
2. Specify IDM as the RADIUS Server  
**radius-server host [IDM IP Address] key [Shared Secret]**
3. Specify an SNMP Community (used by IDM to change the authorization)  
**snmp-server community "[community name]" unrestricted**
4. Specify the MAC address format the switch uses  
**aaa port-access mac-based addr-format no-delimiter-uppercase**
5. Specify the IDM url to redirect to  
**aaa port-access mac-based unauth-redirect "https://[IDM Address]/portal/[switch ip address]"**

**The [IDM Address] should match the cn of the cert on IDM**

# CONFIG FROM THE COMMAND LINE

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6. Configure RADIUS accounting  
**aaa accounting network start-stop radius**  
**aaa accounting system start-stop radius**
7. Specify for each port you want to enable web authentication on  
**aaa port-access mac-based [port-list]**

# ADD THE CONTROLLER TO IDM

## RADIUS Clients

Client

1. Enter a name (used for description only)

2. Enter the IP address of the switch

3. Enter the same shared secret used on the switch RADIUS setup

4. Specify HP (Procurve) for the Type

Name:

Device IP Address / Prefix Length:   
For example 192.168.1.1/32 or fec0:0001/128

Secret:    
Leave blank to keep existing secret

Type:    
If your RADIUS client vendor is not listed please select Generic

Description:

Use COA: ☐

Port:

# CONFIGURE THE SNMP SETTINGS

**RADIUS Clients**

Client | Attributes | **SNMP** | MAC Authentication

SNMP is used for recording the Framed-IP-Address in RADIUS accounting messages.  
You do not need to enable this if the device sets it correctly.

Enable: ☒

Alternative SNMP device IP Address:  If the RADIUS Client doesn't support SNMP access to the ARP table, query this device instead

Version: **V1** V2c & V3 perform better than V1

Read Community:

Authentication Protocol: **MD5**

Authentication Username:

Authentication Passphrase:  Confirm:

Privacy Protocol: **DES**

Privacy Passphrase:  Confirm:

Security Type: **Authentication**

1. Specify SNMP to match the switch

# ENABLE MAC AUTHENTICATION

The screenshot shows the 'RADIUS Clients' configuration window, specifically the 'MAC Authentication' tab. The window has a title bar 'RADIUS Clients' and tabs for 'Client', 'Attributes', 'SNMP', and 'MAC Authentication'. The 'MAC Authentication' tab is active. It contains the following fields and options:

- Enable MAC authentication:** A checkbox that is checked. A red callout box labeled '1. Enable MAC Authentication' points to this checkbox.
- User-Name attribute contains:** A dropdown menu showing 'Client MAC Address'. A red callout box labeled '2. Client MAC Address' points to this dropdown.
- User-Password attribute contains:** A dropdown menu showing 'Not Present'. A red callout box labeled '3. Not Present' points to this dropdown.
- Service-Type attribute contains:** A dropdown menu showing 'Call-Check'. A red callout box labeled '4. Call-Check' points to this dropdown.

At the bottom of the window are two buttons: 'Save' and 'Cancel'.



**Thank you**